

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method ~~of using a service discovery device to control devices within a home network from a remote device~~, comprising:

providing an IP address to each ~~device~~ of one or more devices located within ~~[[the]] a~~ home network;

making at least one HTTP request to each of the IP addresses;

receiving information from a HTML page on each of the devices; and

generating a web page containing the received information, wherein the web page is accessible from ~~[[the]] a~~ remote device in response to a request from the remote device to ~~[[the]] a~~ service discovery device, and wherein the generated web page includes a list of links to device web pages for each of the devices located within the home network, the list of links being ~~actuable~~ able to be actuated from the remote device, enabling a user to control each of the devices.

2. (Original) The method of claim 1, further comprising recording the received information on the service discovery device.

3. (Original) The method of claim 1, further comprising, upon one of the links being actuated on the remote device, generating a device web page corresponding to the actuated link, wherein the device web page is accessible from the remote device, and wherein actuation of content on the device web page results in manipulation of the respective device.

4. (Original) The method of claim 1, further comprising:
receiving a MAC address for each of the devices within the home network; and
using the received MAC addresses to update the list of links on the web page when a change occurs regarding the devices within the home network.

5. (Original) The method of claim 4, wherein the change includes the addition of a new device to the home network.

6. (Original) The method of claim 4, wherein the change includes the removal of a device from the home network.

7. (Currently Amended) A computer program product, embodied on a computer readable medium, ~~for using a service discovery device to enable communication between devices within a home network and a remote device~~, comprising:

computer code for providing an IP address to each ~~device~~ of one or more devices located within ~~[[the]]~~ a home network;

computer code for making at least one HTTP request to each of the IP addresses;

computer code for receiving information from a HTML page on each of the devices;

and

computer code for generating a web page containing the received information, wherein the web page is accessible from ~~[[the]]~~ a remote device in response to a request from the remote device to ~~[[the]]~~ a service discovery device, and wherein the generated web page includes a list of links to device web pages for each of the devices located within the home network, the list of links being ~~actuatable~~ able to be actuated from the remote device to enable a user to control each of the devices.

8. (Original) The computer program product of claim 7, further comprising computer code for recording the received information on the service discovery device.

9. (Original) The computer program product of claim 7, further comprising computer code for, upon one of the links being actuated on the remote device, generating a device web page corresponding to the actuated link, wherein the device web page is accessible from the remote device, and wherein actuation of content on the device web page results in a corresponding manipulation of the respective device.

10. (Original) The computer program product of claim 7, further comprising:

computer code for receiving a MAC address for each of the devices within the home network; and

computer code for using the received MAC addresses to update the list of links on the web page when a change occurs regarding the devices within the home network.

11. (Original) The computer program product of claim 10, wherein the change includes the addition of a new device to the home network.

12. (Original) The computer program product of claim 10, wherein the change includes the removal of a device from the home network.

13. (Currently Amended) An ~~electronic device for enabling communication between devices within a home network and a remote device~~ apparatus, comprising:

[[a]] at least one processor for processing information; and

[[a]] at least one memory unit operatively connected to the processor, the memory unit including program code, the at least one memory and the computer program code configured to, working with the at least one processor, cause the apparatus to:

~~computer code for providing~~ provide an IP address to each ~~device~~ of one or more devices located within [[the]] a home network;

~~computer code for making~~ make at least one HTTP request to each of the IP addresses;

~~computer code for receiving~~ receive information from a HTML page on each of the devices; and

~~computer code for generating~~ generate a web page containing the received information, wherein the web page is accessible from [[the]] a remote device in response to a request from the remote device to a service discovery device, and wherein the generated web page includes a list of links to device web pages for each of the devices located within the home network, the list of links being ~~actuatable~~ able to be actuated from the remote device to enable a user to control each of the devices.

14. (Currently Amended) The ~~electronic device~~ apparatus of claim 13, wherein the ~~memory unit further comprises computer code for recording~~ at least one memory and the computer program code further configured to, working with the at least one processor, cause the apparatus to record the received information on the service discovery device.

15. (Currently Amended) The ~~electronic device~~ apparatus of claim 13, wherein the ~~memory unit further comprises computer code for~~ at least one memory and the computer program code further configured to, working with the at least one processor, cause the apparatus to, upon one of the links being actuated on the remote device, ~~generating~~ generate a device web page corresponding to the actuated link, wherein the device web page is accessible from the remote device, and wherein actuation of content on the device web page results in a corresponding manipulation of the respective device.

16. (Currently Amended) The ~~electronic device~~ apparatus of claim 13, wherein the ~~memory unit further comprises~~ at least one memory and the computer program code further configured to, working with the at least one processor, cause the apparatus to:

~~computer code for receiving~~ receive a MAC address for each of the devices within the home network; and

~~computer code for using~~ use the received MAC addresses to update the list of links on the web page when a change occurs regarding the devices within the home network.

17. (Currently Amended) A system ~~for enabling communication between a remote device and at least one home network device~~, comprising:

a remote electronic device;

a home network including at least one home network device and a service discovery device, the service discovery device including:

at least one processor, and

at least one memory including program code, the at least one memory and the computer program code configured to, working with the at least one processor, cause the service discovery device to:

~~computer code for providing~~ provide an IP address to each of the at least one home network device located within the home network;

~~computer code for making~~ make at least one HTTP request to each IP address;

~~computer code for receiving~~ receive information from a HTML page on each of the at least one device; and

~~computer code for generating~~ generate a web page containing the received information, wherein the web page is accessible from the remote electronic device in response to a request from the remote device to the service discovery device, and wherein the generated web page includes a list of links to device web pages for each of the at least one device located within the home network, the list of links being ~~actuatable~~ able to be actuated from the remote device to enable a user to control each of the devices.

18. (Currently Amended) The system of claim 17, wherein the ~~service discovery device includes computer code for~~ at least one memory and the computer program code further configured to, working with the at least one processor, cause the service discovery device to, upon one of the links being actuated on the remote device, ~~generating~~ generate a device web page corresponding to the actuated link, wherein the device web page is accessible from the remote device, and wherein actuation of content on the device web page results in a corresponding manipulation of the respective device.

19. (Currently Amended) The system of claim 17, wherein the ~~service discovery device includes~~ at least one memory and the computer program code further configured to, working with the at least one processor, cause the service discovery device to:

~~computer code for receiving~~ receive a MAC address for each of the at least one home network device; and

~~computer code for using~~ use the received MAC addresses to update the list of links on the web page when a change occurs regarding the at least one home network device.

20. (Original) The system of claim 17, wherein the service discovery device is located within an access point, the access point being in communication with both the remote device and the at least one home network device.